V·UAV

PROFESSIONAL UAV

V·UAV

PAYLOAD MANUFACTURER

Q1. 2024

See the Unseen.

V·UAV PROFESSIONAL UAV

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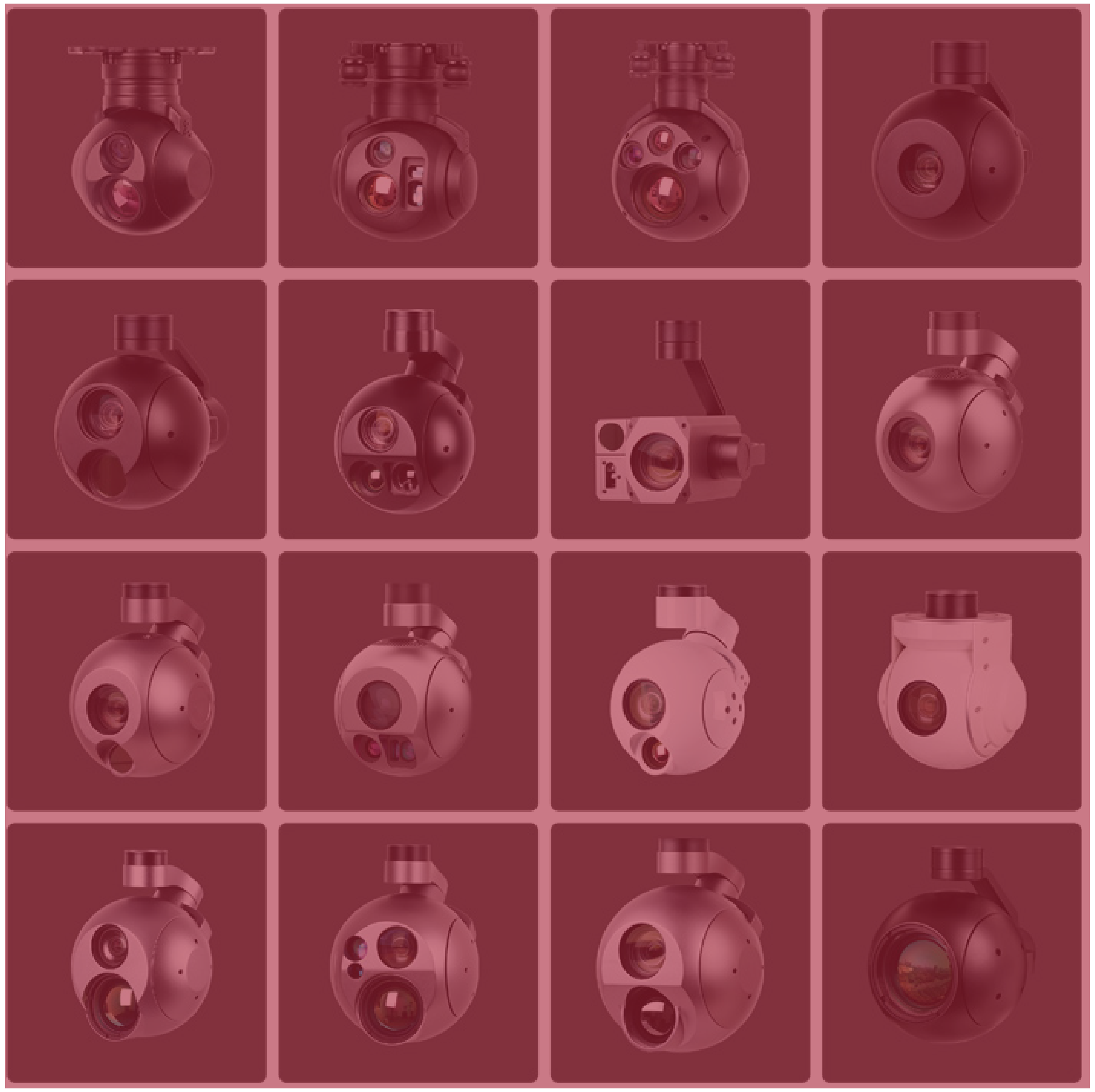
www.v-uav.com

QUALITY FIRST



V-UAV PAYLOAD MANUFACTURER

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ABOUT US

COMPANY PROFILE

Established in 2012, V-UAV is a Hi-tech manufacturer specialized in R&D and manufacturing of cutting-edge zoom gimbal cameras for industrial and commercial Unmanned Aerial Vehicle (UAV).

With the strong R&D team, we focus on research and innovation in image processing, optical zoom algorithm, object tracking, object GPS coordinate resolving, AI object tracking and camera stabilizing solutions based on direct drive brushless motors. Extensive product rang with comprehensive professional functions enlarge the applications of our gimbal cameras on helicopters, fixed wings and multi-rotors with different autopilots in various domains, such as infrastructure, public safety, construction and energy etc. Meanwhile, OEM&ODM service is one of our important advantages, which brings us challenge and new progress.

To enhance productivity and security for humans with UAV products is our long-term vision. Welcome to join us!

Hawkeye Series

V-UAV new generation of micro primes lens systems focus on the micro UAV application, combined the thermal sensor and high definition visual camera with V-UAV’s leading stabilization and intelligence technology, the micro camera system is easy to realize powerful insights that save time, money and lives.

U2DE

Micro Prime Lens Dual EO Sensors Object Tracking Gimbal Camera

Imager sensor	1/3" CMOS
Lens 1	2.4mm Prime lens, FOV: 98°×66°
Lens 2	10mm Prime lens, FOV: 30°×17°
Resolution	1920x1080@60fps
Object Tracking	√
Working voltage	12V
Output	IP
Control method	UART / S.BUS / TCP
Local storage	SD card up to 128G
N.W.	77g
Dimension	40*40*70mm

U818M

Micro Prime Lens EO/IR with LRF Object Tracking Gimbal Camera

Imager sensor	CMOS
Lens	8mm Prime lens
Resolution	1920x1080@60fps
Thermal imager	640x512@60fps, 18mm focus length, 12μm
Laser range	5-1200m
Object Tracking	√
Working voltage	12V
Output	IP
Control method	UART / S.BUS / TCP
Local storage	SD card up to 128G
N.W.	305g
Dimension	81*62.9*106.7mm

U818

Micro Prime Lens EO/IR Object Tracking Gimbal Camera

Imager sensor	CMOS
Lens	8mm Prime lens
Resolution	1920x1080@60fps
Thermal imager	640x512@60fps, 18mm focus length, 12μm
Object Tracking	√
Working voltage	12V
Output	IP
Control method	UART / S.BUS / TCP
Local storage	SD card up to 128G
N.W.	260g
Dimension	67.6*61.6*99.3mm

U7DE

Micro Prime Lens Dual EO Object Tracking Gimbal Camera

Imager sensor	CMOS
Lens 1	7.2mm Prime lens
Lens 2	25mm Prime lens
Resolution	1920x1080@60fps
Object Tracking	√
Working voltage	12V
Output	IP
Control method	UART / S.BUS / TCP
Local storage	SD card up to 128G
N.W.	251g
Dimension	67.6*61.6*99.3mm

U7DER

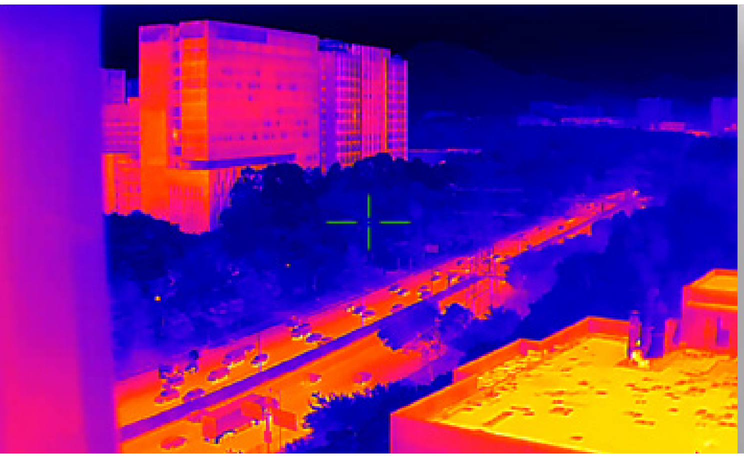
Micro Prime Lens Dual EO/IR Object Tracking Gimbal Camera

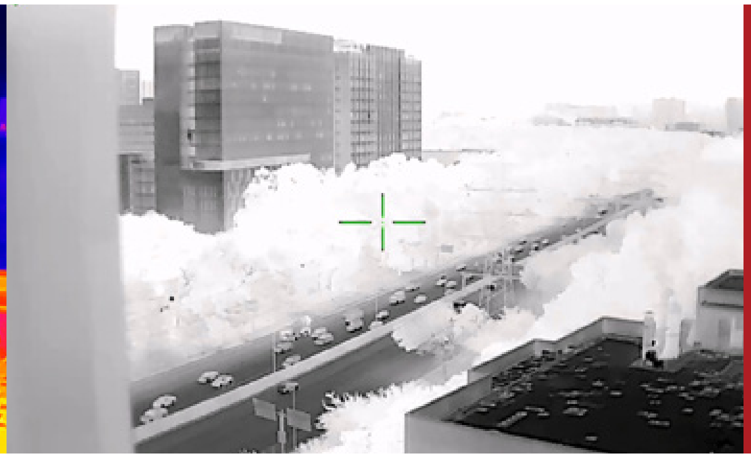
Imager sensor	CMOS
EO lens 1	7.2mm Prime lens
EO lens 2	25mm Prime lens
Resolution	1920x1080@60fps
Thermal imager 1	640x512@60fps, 13mm focus length, 12μm
Thermal imager 2	640x512@60fps, 35mm focus length, 12μm
Object Tracking	√
Working voltage	12V
Output	IP
Control method	UART / S.BUS / TCP
Local storage	SD card up to 128G
N.W.	505g
Dimension	95.5*86.7*135.6mm

U8L

Micro Prime Lens Single EO with LRF Object Tracking Gimbal Camera

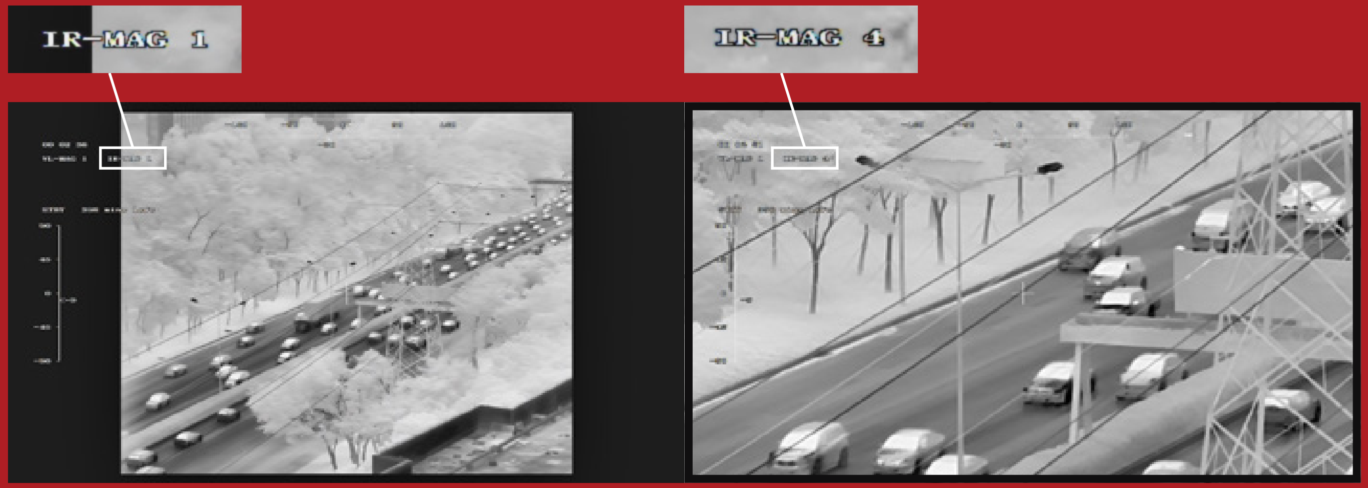
Imager sensor	CMOS
Lens	8mm Prime lens
Resolution	1920x1080@60fps
Laser range	5-1500m
Object Tracking	√
Working voltage	12V
Output	IP
Control method	UART / S.BUS / TCP
Local storage	SD card up to 128G
N.W.	249g
Dimension	67.6*61.6*99.3mm





High Resolution Thermal Gimbal Camera Series

1280*1024 high resolution uncooled long-wave infrared detection thermal image sensor features of longer detection distance, digital zoom coaxiality, more accurate and stable performance. The invisible objects by the naked eye can be able to be transformed into visual images through infrared thermal imaging technology. It is mainly used in detection, inspection, search and rescue, and other applications in the unvisual enviroment of at night or dark environments, fires, smoke, etc.



QIR50T Pro HRT 1280

50mm High Resolution Thermal Gimbal Camera (1280*1024)

Thermal imager	50mm focus length
detector pixel	**1280*1024**
pixel	12μm
Object Tracking	√
Working voltage	4S~6S
Output	1080p micro HDMI / IP / SDI
Control method	UART / PWM / PPM / S.BUS / TCP / UDP
Local storage	SD card up to 128G
N.W.	1020g
Dimension	112*136*190.9mm

New

Q30TIR Pro HRT 1280

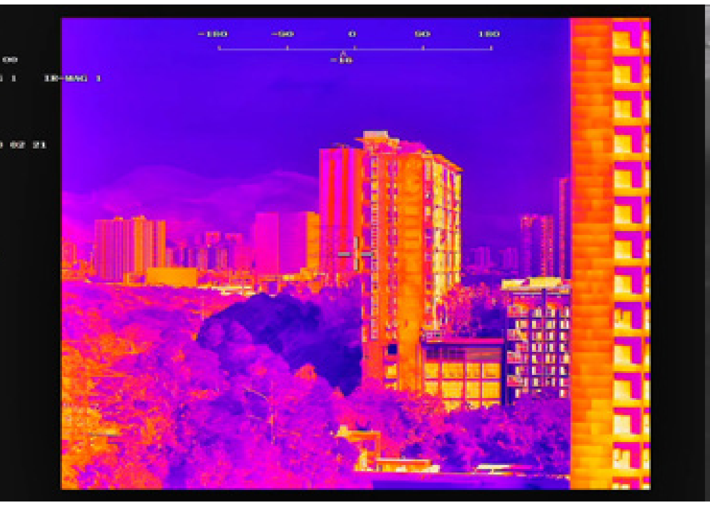
30x EO/IR Dual Sensors Object Tracking Gimbal Camera (IR 1280*1024)

Imager sensor	1/2.8" SONY CMOS
Lens	30x optical zoom, f=4.3~129mm
Total pixel	2.13MP
Thermal imager	**1280*1024**, 50mm focus length, 25Hz, 12μm
Object Tracking	√
Working voltage	4S~6S
Output	micro HDMI / IP / SDI
Control method	PWM / PPM / UART / S.BUS / TCP
Local storage	SD card up to 128G
N.W.	1450g
Dimension	146*162.8*228.2mm

Q40TIR Pro HRT 1280

40x EO/IR Dual Sensors Object Tracking Gimbal Camera (IR 1280*1024)

Imager sensor	1/2.8" SONY CMOS
Lens	40x optical zoom, f=4.25~170mm
Total pixel	2.13MP
Thermal imager	**1280*1024**, 50mm focus length, 12μm
Object Tracking	√
Working voltage	4S~6S
Output	1080p micro HDMI / IP / SDI
Control method	PWM / PPM / UART / S.BUS / TCP / UDP
Local storage	SD card up to 128G
N.W.	1550g
Dimension	127.7*163*186.7mm



AI Object Tracking Series

The automatic target recognition technology uses computer vision to replace manual decision-making, and combines deep learning technology to extract and classify the targets in the field of view. Efficiently identify targets of interest, enhance the autonomy and intelligence level of UAV systems, weaken or even get rid of the dependence on operators. It reduces the operator's burden, shortens the reaction time of the entire system, improves the anti-interference capability, and provides accurate and reliable information for the next reconnaissance on the target.It supports the development of artificial intelligence vision applications, the rapid deployment of algorithms, and the unlimited expansion of applications.

A609

Micro Prime Lens EO/IR Dual Sensors AI Object Tracking Gimbal Camera

Imager sensor	1/2.9" CMOS
Lens	6mm Prime lens, FOV 50 x 28°
Total pixel	2MP
Thermal imager	640x512@60fps, 9.1mm focus length, 12μm
AI Function	Human/Vehicle AI identification and tracking
Object Tracking	√
Working voltage	12V
Output	IP
Control method	UART / S.BUS / TCP
Local storage	SD card up to 128G
N.W.	190g
Dimension	69*52*96.2mm

A10 Pro

10x EO AI Object Tracking Gimbal Camera

Imager sensor	1/2.8" SONY CMOS
Lens	10x optical zoom, f=4.7~47mm
Total pixel	5.13MP
AI Function	Human/Vehicle AI identification and tracking
Object Tracking	√
Working voltage	4S~6S
Output	1080P micro HDMI / IP
Control method	PWM / PPM / UART / S.BUS / TCP / UDP
Local storage	SD card up to 128G
N.W.	510g
Dimension	96*121.5*157.9mm

A10T Pro

10x AI Object Tracking EO+IR Dual Sensor Gimbal Camera

Imager sensor	1/2.8" SONY CMOS
Lens	10x optical zoom, f=4.7~47mm
Total pixel	5.13MP
Thermal imager	640*512, 19mm focus length, 25Hz, 12μm
AI Function	Human/Vehicle AI identification and tracking
Object Tracking	√
Working voltage	4S~6S
Output	1080p micro HDMI / IP
Control method	PWM / PPM / UART / S.BUS / TCP / UDP
Local storage	SD card up to 128G
N.W.	582g
Dimension	96*121.5*157.9mm

A10TR Pro

10x EO+IR AI Object Tracking Target GPS Coordinate Resolving and LRF Gimbal Camera

Imager sensor	1/2.8" SONY CMOS
Lens	10x optical zoom, f=4.7~47mm
Total pixel	5.13MP
Thermal imager	640*512, 19mm focus length, 12μm
AI Function	Human/Vehicle AI identification and tracking
Laser range	5~1500m
Object Tracking	√
Working voltage	4S~6S
Output	1080p micro HDMI / IP
Control method	PWM / PPM / UART / S.BUS / TCP / UDP
Local storage	SD card up to 128G
N.W.	654g
Dimension	114.7*100*174.4mm

AT19

19mm Single Thermal AI Object Gimbal Camera

Lens	19mm focus length
Detector pixel	640*512
Pixel size	12μm
AI Function	Human/Vehicle AI identification and tracking
Object Tracking	√
Working voltage	4S~6S
Output	1080P micro HDMI / IP
Control method	PWM / PPM / UART / S.BUS / TCP / UDP
Local storage	SD card up to 128G
N.W.	462g
Dimension	78.8*110.2*129.6mm

Mini H30T

30x EO+IR+LRF Triple-sensor AI Object Tracking Gimbal Camera (Starlight level)

Imager sensor	1/1.8" **STARVIS** CMOS
Lens	30x optical zoom, f=6.5~162.5mm
Total pixel	4.17MP
Lux	0.009 lux
Thermal imager	640*512, 19mm focus length, 12μm
AI Function	Human/Vehicle AI identification and tracking
Laser range	5~1000m
Object Tracking	√
Working voltage	4S~6S
Output	1080p micro HDMI / IP
Control method	PWM / PPM / UART / S.BUS / TCP / UDP
Local storage	SD card up to 128G
N.W.	971g
Dimension	174*129.5*195.7mm

H30T Pro

30x EO+IR+LRF Triple-sensor AI Object Tracking Gimbal Camera (Full Color Night Vision)

Imager sensor	1/1.7" **Super STARVIS** COMS
Lens	30x optical zoom, f=7.1~171mm
Total pixel	4MP
Lux	Full color 0.1Lux (F1.6, AGC ON, 100m)
Thermal imager	640*512, 19mm focus length, 12μm
AI Function	Human/Vehicle AI identification and tracking
Laser range	5~1500m
Object Tracking	√
Working voltage	4S~6S
Output	1080p micro HDMI / IP
Control method	PWM / PPM / UART / S.BUS / TCP / UDP
Local storage	SD card up to 128G
N.W.	1083g
Dimension	174.3*154.6*193.3mm

A30T-50

30x AI Object Tracking EO+IR Dual Sensor Gimbal Camera

Imager sensor	1/2.8" SONY CMOS
Lens	30x optical zoom, f=4.3~129mm
Total pixel	2.13MP
Thermal imager	640*512, 50mm focus length, 12μm
AI Function	Human/Vehicle AI identification and tracking
Object Tracking	√
Working voltage	4S~6S
Output	1080p Micro HDMI / IP
Control method	UDP / PWM / PPM / UART / S.BUS / TCP
Local storage	SD card up to 128G
N.W.	1202g
Dimension	139.5*128*223.8mm

A30TR-50

30x EO+IR AI Object Tracking Target GPS Coordinate Resolving and LRF Gimbal Camera

Imager sensor	1/2.8" SONY CMOS
Lens	30x optical zoom, f=4.3~129mm
Total pixel	2.13MP
Thermal imager	640*512, 50mm focus length, 12μm
AI Function	Human/Vehicle AI identification and tracking
Laser range	5~5000m
Object Tracking	√
Working voltage	4S~6S
Output	1080p Micro HDMI / IP
Control method	UDP / PWM / PPM / UART / S.BUS / TCP
Local storage	SD card up to 128G
N.W.	1355g
Dimension	145.8*138*218.4mm

A40 Pro

40x EO AI Object Tracking Gimbal Camera

Imager sensor	1/2.8" SONY CMOS
Lens	40x optical zoom, f=4.25~170mm
Total pixel	2.13MP
AI Function	Human/Vehicle AI identification and tracking
Object Tracking	√
Working voltage	4S~6S
Output	1080p micro HDMI / IP
Control method	PWM / PPM / UART / S.BUS / TCP / UDP
Local storage	SD card up to 128G
N.W.	905g
Dimension	118*134.5*186.4mm

A40T Pro

40x AI Object Tracking EO+IR Dual Sensor Gimbal Camera

Imager sensor	1/2.8" SONY CMOS
Lens	40x optical zoom, f=4.25~170mm
Total pixel	2.13MP
Thermal imager	640*512, 19mm focus length, 12μm
AI Function	Human/Vehicle AI identification and tracking
Object Tracking	√
Working voltage	4S~6S
Output	1080p micro HDMI / IP
Control method	PWM / PPM / UART / S.BUS / TCP / UDP
Local storage	SD card up to 128G
N.W.	944g
Dimension	118*134.5*186.4mm

A40TR Pro

40x EO+IR AI Object Tracking Target GPS Coordinate Resolving and LRF Gimbal Camera

Imager sensor	1/2.8" SONY CMOS
Lens	40x optical zoom, f=4.25~170mm
Total pixel	2.13MP
Thermal imager	640*512, 19mm focus length, 12μm
AI Function	Human/Vehicle AI identification and tracking
Laser range	5~3000m
Object Tracking	√
Working voltage	4S~6S
Output	1080p micro HDMI / IP
Control method	PWM / PPM / UART / S.BUS / TCP / UDP
Local storage	SD card up to 128G
N.W.	985g
Dimension	125*134.2*210.4mm

A40TR-35

40x EO+IR AI Object Tracking Target GPS Coordinate Resolving and LRF Gimbal Camera

New

Imager sensor	1/2.8" SONY CMOS
Lens	40x optical zoom, f=4.25~170mm
Total pixel	2.13MP
Thermal imager	640*512, 35mm focus length, 12μm
AI Function	Human/Vehicle AI identification and tracking
Laser range	5~3000m
Object Tracking	√
Working voltage	4S~6S
Output	1080p micro HDMI / IP
Control method	PWM / PPM / UART / S.BUS / TCP / UDP
Local storage	SD card up to 128G
N.W.	985g
Dimension	125*134.2*210.4mm

AT50

50mm Single Thermal AI Object Gimbal Camera

Lens	50mm focus length
Detector pixel	640*512
Pixel	12μm
AI Function	Human/Vehicle AI identification and tracking
Object Tracking	√
Working voltage	4S~6S
Output	1080p micro HDMI / IP
Control method	PWM / PPM / UART / S.BUS / TCP / UDP
Local storage	SD card up to 128G
N.W.	717g
Dimension	134*100.8*155.6mm

Target GPS Coordinate Resolving and Laser Rangefinder Series

An advanced location resolving algorithm is used to accurately analyze the GPS location of the object, calculate the distance of the object, and superimposed on the display. Laser rangefinder gimbal cameras have a great auxiliary role in the law enforcement , firefighting etc.

Mini-Z10TIRM

Dual-sensor Object GPS Coordinate Resolving and LRF Gimbal Camera

Imager sensor	1/3" CMOS
Lens	10x optical zoom, f=3.3~33mm
Total pixel	4.08MP
Thermal imager	640*512, 24mm focus length, 12μm
Laser range	5~1500 meters
Object Tracking	√
Working voltage	4S~6S
Output	1080p micro HDMI / IP
Control method	UART / PPM / TCP / S.BUS / PWM / UDP
Local storage	SD card up to 128G
N.W.	542g
Dimension	119.4*101.7*157.3mm

Z30TM

30x Object GPS Coordinate Resolving and LRF Gimbal Camera

Imager Sensor	1/2.8" SONY CMOS
Lens	30x optical zoom, f=4.3~129mm
Total pixel	2.13MP
Laser range	5~2000 meters
Object Tracking	√
Working voltage	4S~6S
Output	1080p micro HDMI / IP / SDI
Control method	UART / PWM / PPM / S.BUS / TCP / UDP
Local storage	SD card up to 128G
N.W.	675g
Dimension	137.8*145.7*135mm

Q30TM

30x Object GPS Coordinate Resolving and LRF Gimbal Camera

Imager sensor	1/2.8" CMOS
Lens	30x optical zoom, f=4.3~129mm
Total pixel	2.13MP
Laser range	5~3000 meters
Object Tracking	√
Working voltage	4S~6S
Output	1080P HDMI / IP
Control method	UART / PWM / PPM / S.BUS / UDP / TCP
Local storage	SD card up to 128G
N.W.	888g
Dimension	112*129*186.3mm

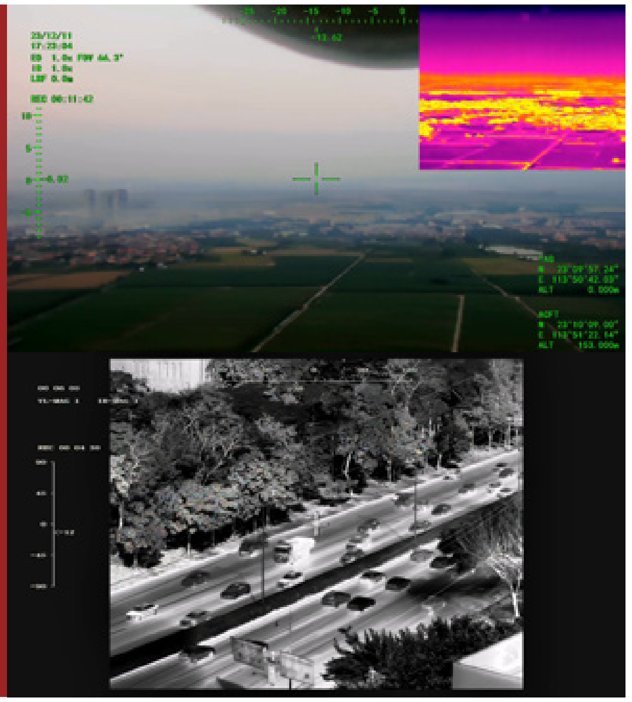
Q30TIRM Pro

30x Object GPS Coordinate Resolving and LRF Gimbal Camera

Imager sensor	1/2.8" SONY CMOS
Lens	30x optical zoom, f=4.3~129mm
Total pixel	2.13MP
Thermal imager	640*480, 35mm focus length, 25Hz, 17μm
Laser range	5~3000 meters
Object Tracking	√
Working voltage	4S~6S
Output	1080p micro HDMI / IP / SDI
Control method	UART / PWM / PPM / S.BUS / TCP / UDP
Local storage	SD card up to 128G
N.W.	1013g
Dimension	130.6*165.1*191.3mm

EO + IR Thermal Dual-Sensor Object Tracking Series

Integrated high-precision uncooled long wave thermal image sensor, EO + IR dual-sensor gimbal cameras can record and transmit thermal image and visible images at the same time. See the unseen. Thermal sensors reveal details invisible to the naked eye by making subtle differences in temperature visible. This new view on the world can reveal the damage of equipment or buildings, fire spark in forest, the location of people or animals and more.Thermometry function even increases the thermal inspection standard to a higher level.



ZIR1352T

IR Thermal Dual-Sensor Object Tracking Gimbal Camera

Thermal imager_1	13mm focus length, 640x480, 25Hz, 17μm
Thermal imager_2	52mm focus length, 640x480, 25Hz, 17μm
Object Tracking	√
Working voltage	4S~6S
Output	micro HDMI / IP
Control method	UART / PWM / PPM / S.BUS
Local storage	SD card up to 128G
N.W.	693g
Dimension	127.5*127.4*138.9mm

Mini Z10TIR

10x EO + IR Dual-Sensor Object Tracking Mini Gimbal Camera

Imager sensor	1/3" SONY CMOS
Lens	10x optical zoom, f=3.3~33mm
Total pixel	4.08MP
Thermal imager	640*480, 19mm focus length, 25Hz, 17μm
Object Tracking	√
Working voltage	4S~6S
Output	1080p micro HDMI / IP
Control method	UART / PWM / PPM / S.BUS / TCP / UDP
Local storage	SD card up to 128G
N.W.	488g
Dimension	120.9*111.2*127.9mm

Z10TIR

10x EO + IR Dual-Sensor Object Tracking Gimbal Camera

Imager sensor	1/3" CMOS
Lens	10x optical zoom, f=4.7~47mm
Total pixel	2.48MP
Thermal imager	640*480, 25mm focus length, 25Hz, 17μm
Object Tracking	√
Working voltage	4S~6S
Output	1080p micro HDMI / IP / SDI
Control method	UART / PWM / PPM / S.BUS / TCP / UDP
Local storage	SD card up to 128G
N.W.	700g
Dimension	131.4*132.4*138mm

Q30TIR LITE

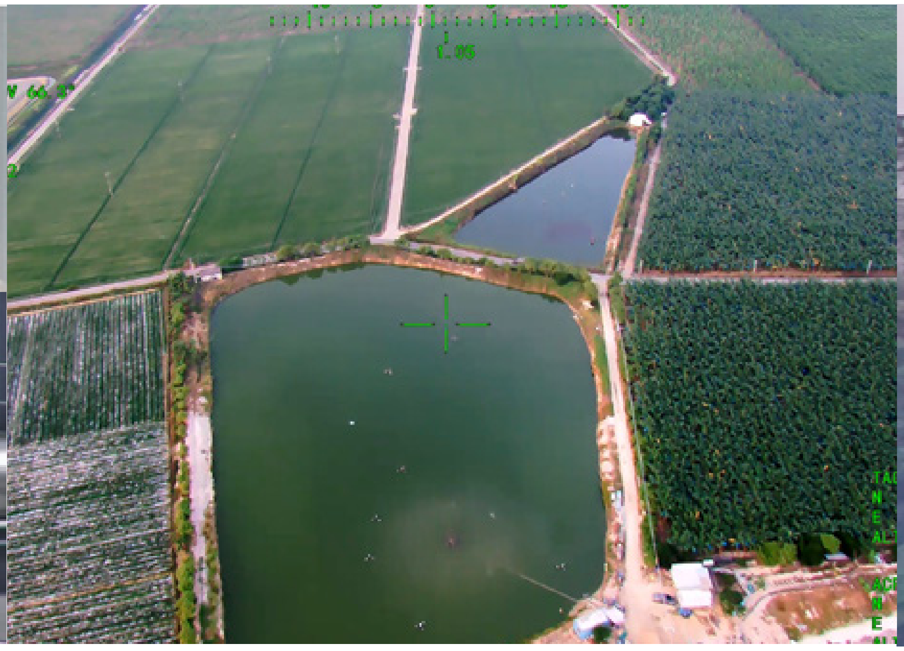
30x EO + IR Dual-Sensor Object Tracking Gimbal Camera

Imager sensor	1/2.8" SONY CMOS
Lens	30x optical zoom, f=4.3~129mm
Total pixel	2.13MP
Thermal imager	640*480, 25mm focus length, 25Hz, 17μm
Object Tracking	√
Working voltage	4S~6S
Output	1080p micro HDMI / IP / SDI
Control method	UART / PWM / PPM / S.BUS / TCP / UDP
Local storage	SD card up to 128G
N.W.	889g
Dimension	111.6*129.8*179.3mm

U30TIR

30x EO + IR Dual-Sensor Object Tracking Gimbal Camera

Imager sensor	1/2.8" SONY CMOS
Lens	30x optical zoom, f=4.3~129mm
Total pixel	2.13MP
Thermal imager	640*480, 25mm focus length, 25Hz, 17μm
Object Tracking	√
Working voltage	4S~6S
Output	1080p micro HDMI / IP / SDI
Control method	UART / PWM / PPM / S.BUS / TCP / UDP
Local storage	SD card up to 128G
N.W.	991g
Dimension	127*122*187.4mm



Q30TIR-50

30x EO + IR Dual-Sensor Object Tracking Gimbal Camera

Imager sensor	1/2.8" SONY CMOS
Lens	30x optical zoom, f=4.3~129mm
Total pixel	2.13MP
Thermal imager	640*480, 50mm focus length, 25Hz, 17μm
Object Tracking	√
Working voltage	4S~6S
Output	1080p micro HDMI / IP / SDI
Control method	UART / PWM / PPM / S.BUS / TCP / UDP
Local storage	SD card up to 128G
N.W.	1403g
Dimension	127.7*163*186.7mm

Q30TIR-1352

30x EO + IR Thermal Triple-Sensor Object Tracking Gimbal Camera

Imager sensor	1/2.8" SONY CMOS
Lens	30x optical zoom, f=4.3~129mm
Thermal imager	13mm focus length, 640x480, 25Hz, 17μm
Thermal imager	52mm focus length, 640x480, 25Hz, 17μm
Total pixel	2.13MP
Object Tracking	√
Working voltage	4S~6S
Output	micro HDMI / IP / SDI
Control method	UART / PWM / PPM / S.BUS / TCP
Local storage	SD card up to 128G
N.W.	1381g
Dimension	127.7*172.9*186.7mm

Z40TIR

20x 4K EO + IR Dual-Sensor Object Tracking Gimbal Camera

Imager sensor	1/2.3" Panasonic CMOS
Lens	f=4.08~81.6mm
Zoom	20x optical zoom, iA zoom 25x(4k) / 40x(FHD)
Total pixel	25.90MP
Thermal imager	640*480, 25mm focus length, 25Hz, 17μm
Object Tracking	√
Working voltage	4S~6S
Output	1080p micro HDMI / IP
Control method	UART / PWM / PPM / S.BUS / TCP / UDP
Local storage	SD card up to 128G
N.W.	899g
Dimension	150.1*154.8*156.3mm

Q40TIR

20x 4K EO + IR Dual-Sensor Object Tracking Gimbal Camera

Imager sensor	1/2.3" Panasonic CMOS
Lens	f=4.08~81.6mm
Zoom	20x optical zoom, iA zoom 25x(4k) / 40x(FHD)
Total pixel	25.90MP
Thermal imager	640*480, 50mm focus length, 25Hz, 17μm
Object Tracking	√
Working voltage	4S~6S
Output	1080p micro HDMI / IP / SDI
Control method	UART / PWM / PPM / S.BUS / TCP / UDP
Local storage	SD card up to 128G
N.W.	1547g
Dimension	153.8*169.6*235.1mm

Laser Illumination Night Vision Object Tracking Series

Z10TL

10x Optical Zoom and IR Laser Illumination Night Vision Gimbal Camera

Imager sensor	1/3" CMOS
Lens	10x optical zoom, f=5.1~51mm
Total pixel	2.48MP
Laser range	300m
Object Tracking	√
Working voltage	4S~6S
Output	1080p micro HDMI / IP
Control method	UART / PWM / PPM / S.BUS / TCP / UDP
Local storage	SD card up to 128G
N.W.	543g
Dimension	129.8*117.1*124.9mm

Z30TE

30x Optical Zoom and Spotlight Illumination Night Vision Gimbal Camera

Imager sensor	1/2.8" SONY CMOS
Lens	30x optical zoom, f=4.3~129mm
Total pixel	2.13MP
Spotlight lighting range	≤300m
Object Tracking	√
Working voltage	4S~6S
Output	1080p micro HDMI / IP
Control method	UART / PWM / PPM / S.BUS / TCP / UDP
Local storage	SD card up to 128G
N.W.	827g
Dimension	153.9*150.2*146.8mm

Z30TL

30x Optical Zoom and IR Laser Illumination Night Vision Gimbal Camera

Imager sensor	1/2.8" SONY CMOS
Lens	30x optical zoom, f=4.3~129mm
Total pixel	2.13MP
Laser range	500m
Object Tracking	√
Working voltage	4S~6S
Output	1080p micro HDMI / IP
Control method	UART / PWM / PPM / S.BUS / TCP / UDP
Local storage	SD card up to 128G
N.W.	811g
Dimension	153.7*141.9*145.8mm

Single Sensor Object Tracking Series

Build-in normalization, cross-correlation and tracking algorithm, combining with object missing recapture algorithm, object tracking gimbal cameras achieve stable tracking of a target. Mainly used for law enforcement, security protection, inspection and also be helpful for zooming a target without losing it.

Q30T Pro

30x Optical Zoom Object Tracking Gimbal Camera

Imager sensor	1/2.8" SONY CMOS
Lens	30x optical zoom, f=4.3~129mm
Total pixel	2.13MP
Object Tracking	√
Working voltage	4S~6S
Output	1080p micro HDMI / IP / SDI
Control method	UART / PWM / PPM / S.BUS / TCP / UDP
Local storage	SD card up to 128G
N.W.	811g
Dimension	104.9*128.2*172mm

U30T

30x Optical Zoom Object Tracking Gimbal Camera

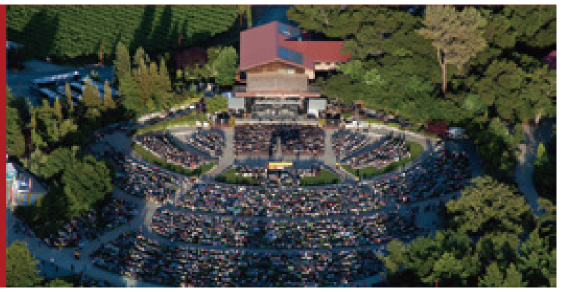
Imager sensor	1/2.8" SONY CMOS
Lens	30x optical zoom, f=4.3~129mm
Total pixel	2.13MP
Object Tracking	√
Working voltage	4S~6S
Output	1080p micro HDMI / IP / SDI
Control method	UART / PWM / PPM / S.BUS / UDP / TCP
Local storage	SD card up to 128G
N.W.	704g
Dimension	115.8*103.5*147.3mm

Z36T Cube

36x Starlight Level Night Vision Object Tracking Gimbal Camera

Imager sensor	1/2" SONY CMOS
Lens	36x optical zoom, f=6.0~216mm
Total pixel	2.13MP
Lux	Color 0.005 lux @F1.5, STARLIGHT
Object Tracking	√
Working voltage	4S~6S
Output	1080p micro HDMI / IP
Control method	UART / PWM / PPM / S.BUS / TCP / UDP
Local storage	SD card up to 128G
N.W.	842g
Dimension	105.3*187.6*180.6mm

Single Sensor Gimbal Camera Series



Q10F

10x Optical Zoom Gimbal Camera

Imager sensor	1/3" CMOS
Lens	10x optical zoom, f=4.9~49mm
Total pixel	4MP
Working voltage	4S~6S
Output	1080p micro HDMI + AV
Control method	UART / PWM / PPM / S.BUS
Local storage	SD card up to 32G
N.W.	383g
Dimension	86.2*108*128.7mm

Q10E

10x Optical Zoom Gimbal Camera

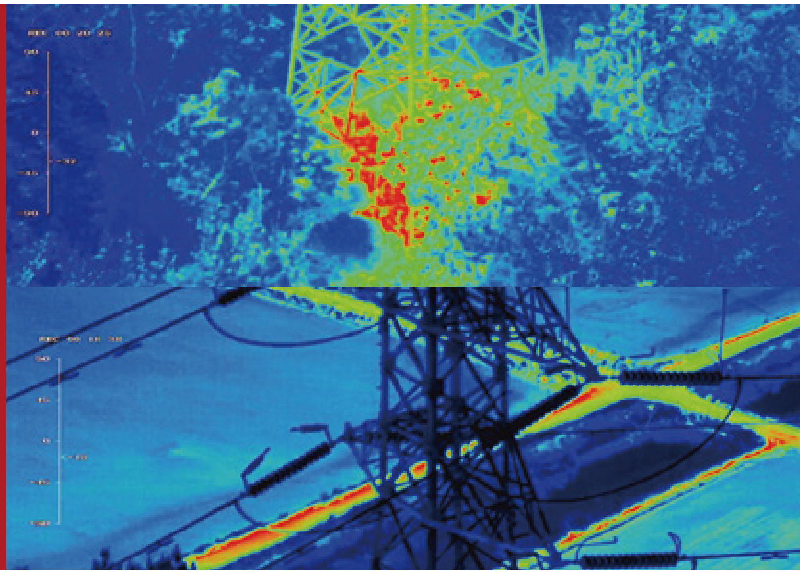
Imager sensor	1/2.8" CMOS
Lens	10x optical zoom, f=4.9~49mm
Total pixel	2MP
Working voltage	4S~6S
Output	IP
Control method	UART / PWM / PPM / S.BUS / TCP
Local storage	SD card up to 256G
N.W.	410g
Dimension	91.6*111.4*131.2mm

Z40K

20x Optical Zoom 4K Video Gimbal Camera

Imager sensor	1/2.3" Panasonic CMOS
Lens	f=4.08~81.6mm
Zoom	20x optical zoom, iA zoom: 25x(4k)/40x(FHD)
Total pixel	25.9MP
Working voltage	4S~6S
Output	1080p micro HDMI / IP
Control method	UART / PWM / PPM / S.BUS
Local storage	SD card up to 128G
N.W.	531g
Dimension	95.3*153*154.5mm

Single Thermal Gimbal Camera Series



ZIR25T/35T

35mm Single Thermal Gimbal Camera

Thermal imaging	25/35mm focus length
detector pixel	640*480
pixel	17μm
Object Tracking	√
Working voltage	4S~6S
Output	1080p micro HDMI / IP / SDI
Control method	UART / PWM / PPM / S.BUS / TCP / UDP
Local storage	SD card up to 128G
N.W.	448g
Dimension	79.3*135.8*120.9mm

QIR50T

50mm Single Thermal Gimbal Camera

Thermal imaging	50mm focus length
detector pixel	640*480
pixel	17μm
Object Tracking	√
Working voltage	4S~6S
Output	1080p micro HDMI / IP / SDI
Control method	UART / PWM / PPM / S.BUS / TCP / UDP
Local storage	SD card up to 128G
N.W.	775g
Dimension	118.6*133.6*176mm

DJI PSDK Series

Built with DJI Skyport,all models of the DJI PSDK series can be directly compatible with Matrice 300 RTK and Matrice 350 RTK, and can be auto-recognized and completely controlled by APP "DJI Pilot".

H30

- 30x optical zoom, 1/1.8" STARVIS COMS
- Total Pixels: 4.17MP
- Human/Vehicle AI identification and tracking
- 5~1500m Laser range
- N.W.: 899g

H30T Pro

- 30x optical zoom, 1/1.7" Super STARVIS COMS
- Total Pixels: 4MP
- 640*512 IR Thermal Pixel
- Human/Vehicle AI identification and tracking
- 5~1500m Laser range
- N.W.: 1083g

AT50

- 50mm IR Thermal Gimbal Camera
- 640*512 IR Thermal Pixel
- Human/Vehicle AI identification and tracking
- Object tracking
- N.W.: 717g

Z40K

- 20x optical zoom, 25x(4k) / 40x(FHD) iA zoom
- Panasonic 1/2" CMOS
- Total Pixels: 25.9MP, 4K Camera
- N.W.: 595g

Q30TIR Pro HRT 1280

- 30x optical zoom EO/IR Dual Sensors
- 2.13MP, 1/2.8" SONY CMOS
- 1280*1024 IR Thermal Pixel
- Object Tracking
- N.W.: 1450g

QIR50T Pro HRT 1280

- 50mm IR Thermal Gimbal Camera
- 1280*1024 IR Thermal Pixel
- Object Tracking
- N.W.: 1020g

Z10TL

- 10x optical zoom night vision camera
- 300 meters IR laser illumination
- Object tracking
- N.W.: 554g

X30TL Pro

- 30x zoom laser night vision camera
- 500 meters IR laser illumination
- Object tracking
- N.W.: 770g

X30TE Pro

- 30x optical zoom
- Sony 1/2.8" CMOS
- Object tracking
- 300 meters spotlight Illuminaion
- N.W.: 815g

ZIR50T

- 50mm IR Thermal Gimbal Camera
- 640*480 IR Thermal Pixel
- Object tracking
- N.W.: 675g

X30TM

- 30x optical zoom
- Sony 1/2.8" CMOS
- Object tracking
- 2000 meters laser rangefinder, Object GPS Coordinate Resolving
- N.W.: 682g

L4

- 4000lm
- Pitch: -25°~90°, Yaw: ±290°
- Illumination distance: 150m
- N.W.: 785g

Specialized Payload Series

L4
UAV Searchlight Device

- PWM / PPM / UART / S.BUS
- 4000lm
- Working voltage: 4S~6S
- Pitch: -25°~90°, Yaw: ±290°
- Illumination distance: 150m
- N.W.: 785g

L1
High-efficiency gimbal

- Light source: white light
- Illumination distance: 1000m
- Working voltage: 12V
- Control method: PWM/PPM/UART/S.BUS
- N.W.: 488.6g

Z-duo pro
FLIR Duo Pro Gimbal

- Tailored for FLIR Duo Pro
- Use FOC algorithm controller
- Gimbal function: supply power, photo shoot, record, zoom, etc
- Control method: UART/PWM/PPM/S.BUS

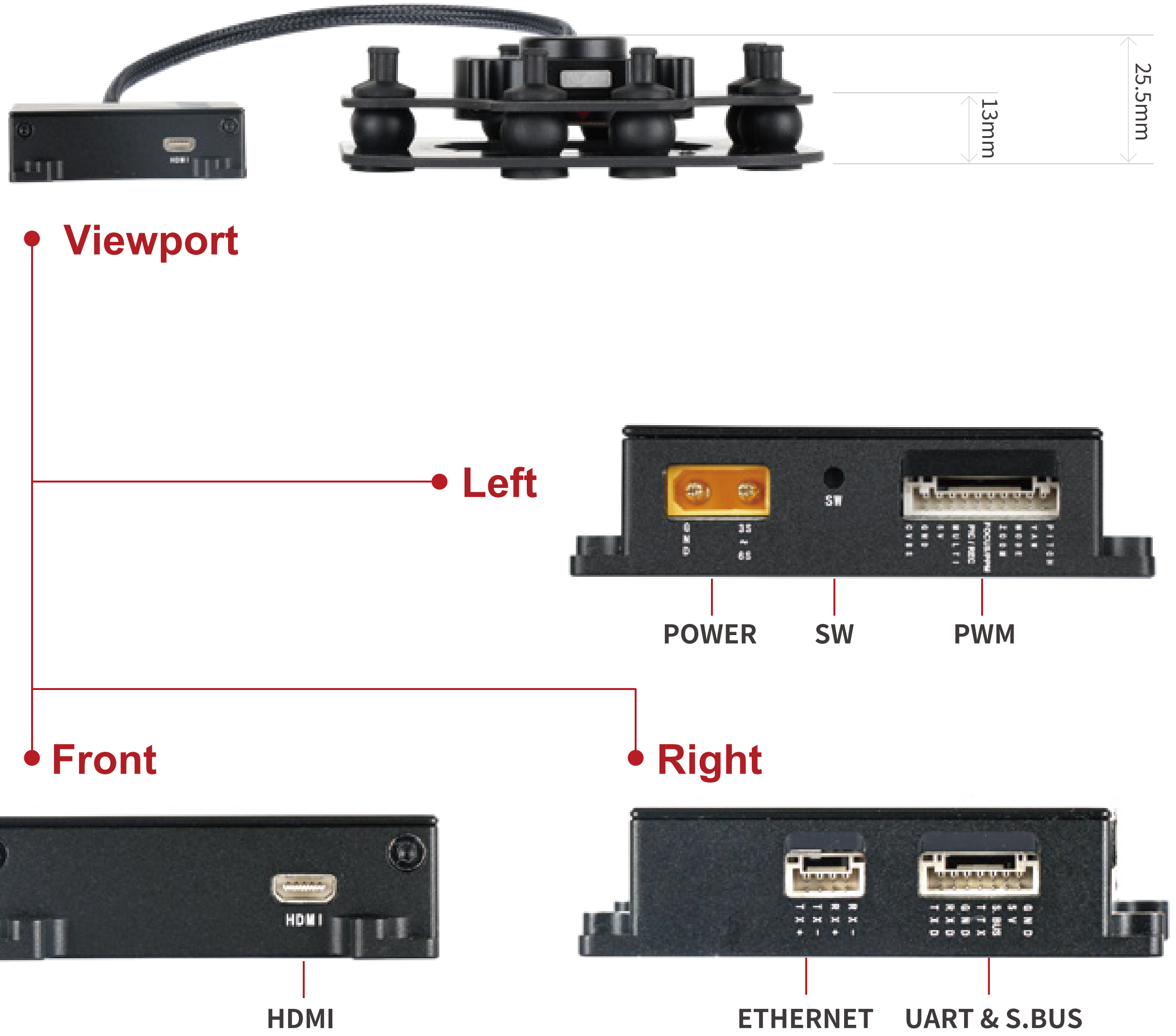
Z-6K
SONY ILCE Gimbal

- Support Sony ILCE a6000
- HDMI is led to the top of gimbal from bottom inside
- Gimbal function: supply power, photo shoot, record, zoom, etc
- Control method: UART/PWM/PPM/S.BUS
- N.W.: 550g

Viewport
V-UAV Quick Setup and Release Mechanism

- Compatible with Pinling's full range of pods
- Net weight: 145 grams
- Quick release board size: 100*100*25.5mm
- Control box size: 48.4*56.2*14.2mm

Viewport Overview



BlueEye Overview

BlueEye KLV Version

BlueEye is a professional and easy operating software developed by V-UAV. It supports Ethernet/IP (RTSP / UDP / RTMP), USB connection play, TCP / UDP control via Ethernet and Serial port (TTL) control. With BlueEye, you can do settings for the camera directly, firmware update, parameter configurations, Joystick configure, OSD settings, remote control... connect the serial port to do the settings. It support local snapshot / recording while playing the video streaming. It also supports KLV video real time playing and local KLV Video replay.

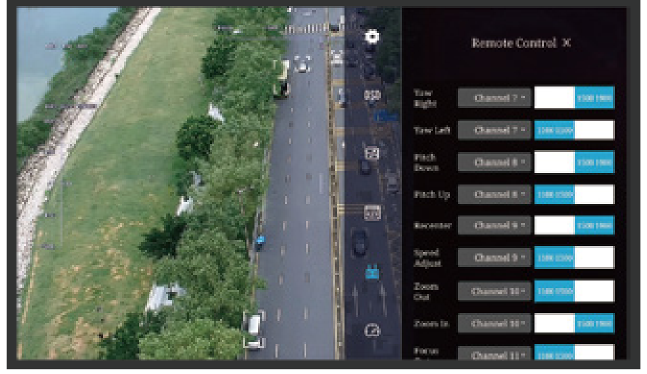
Meanwhile, BlueEye Android version also supports all features as Windows version.

Android

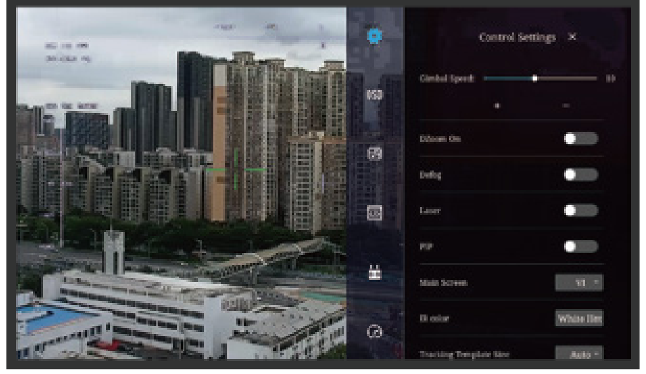
Log in

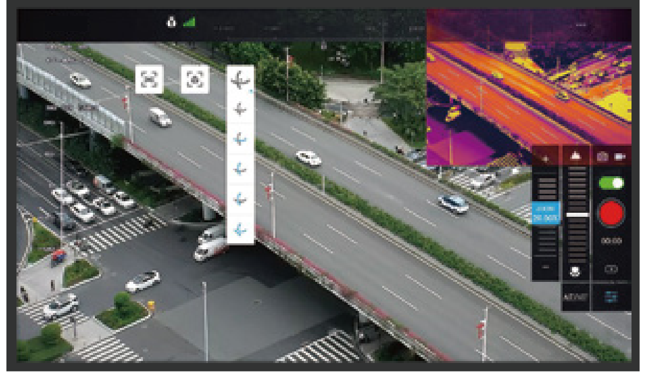
Device Info

Remote Control



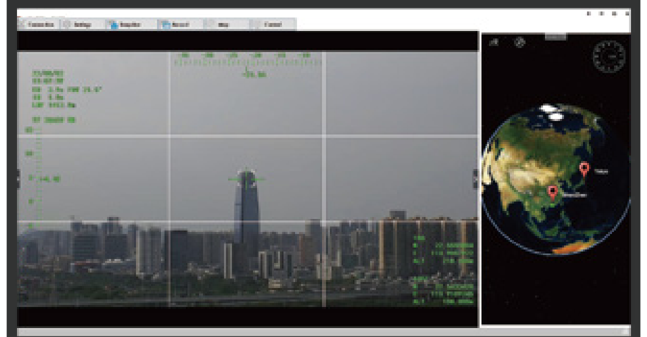
Control Settings





Windows

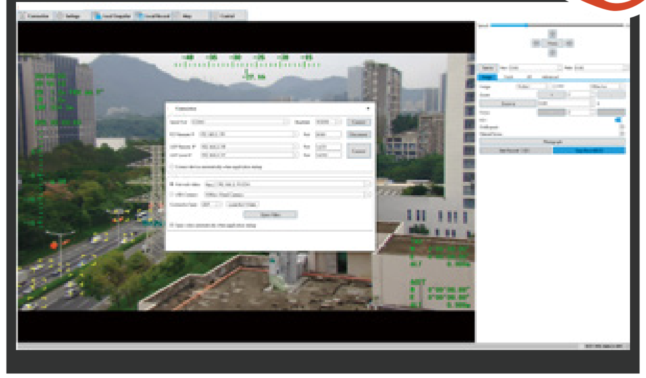
Map



Location

Connection

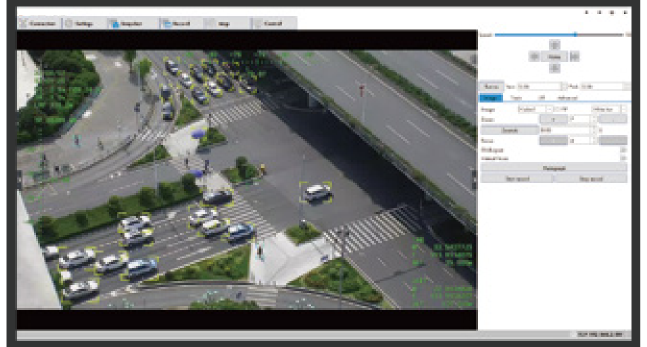
New Release



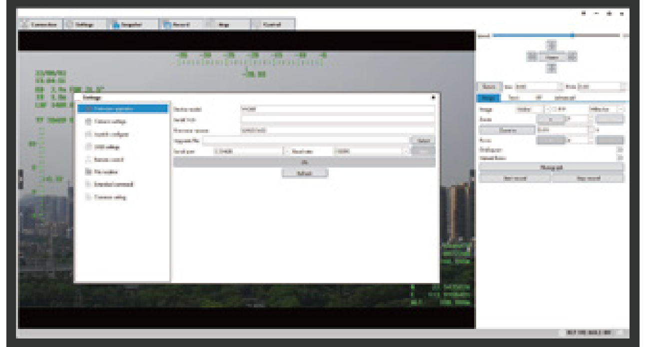
KLV Info

New Release

Image

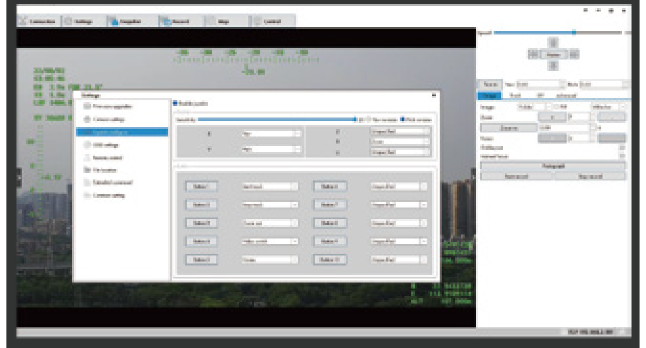


Firmware upgrades

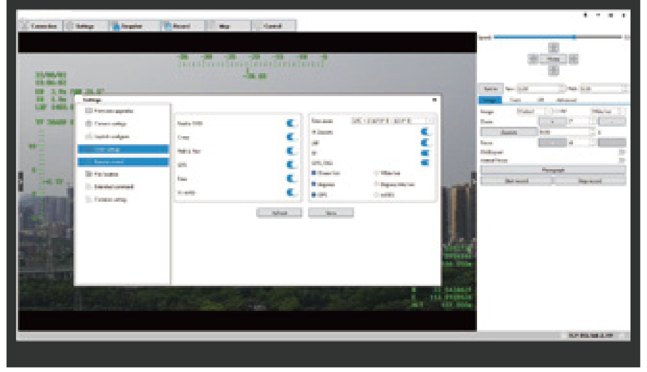


Camera settings

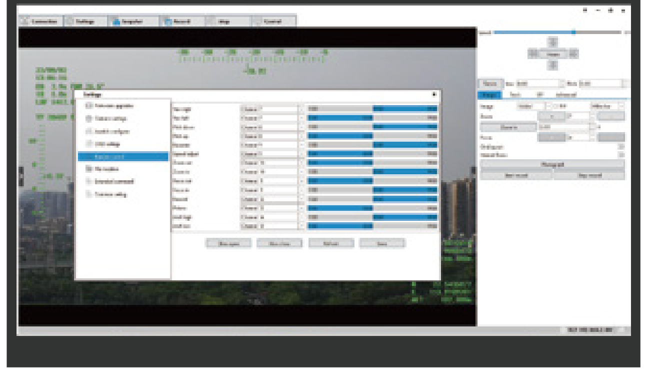
Joystick configure



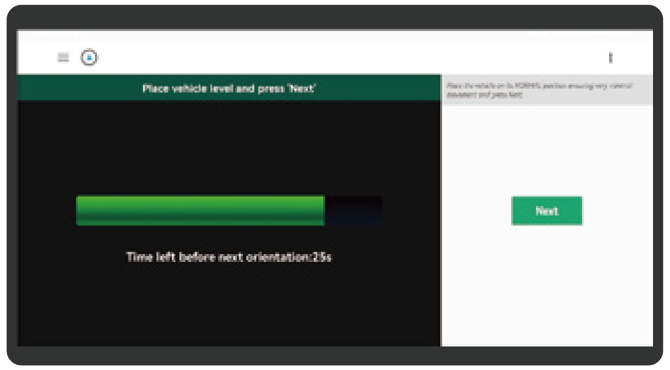
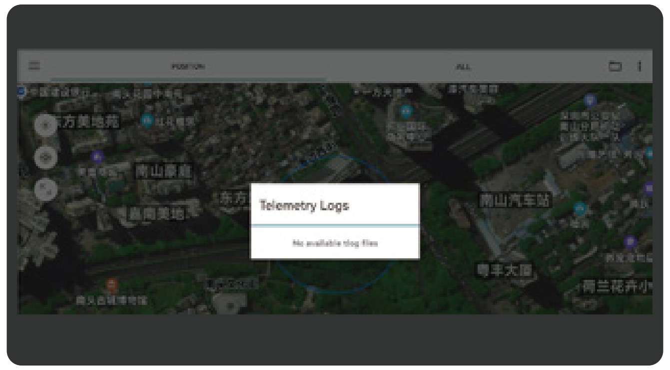
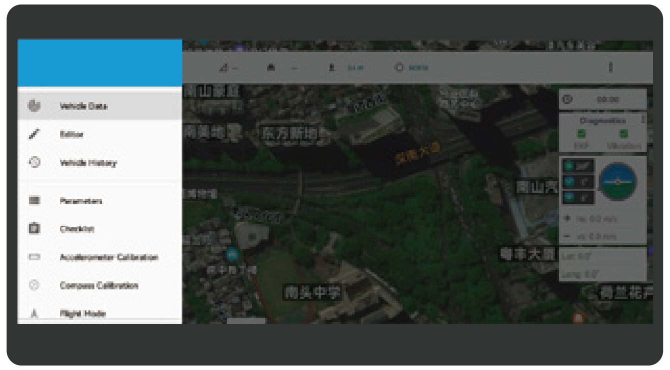
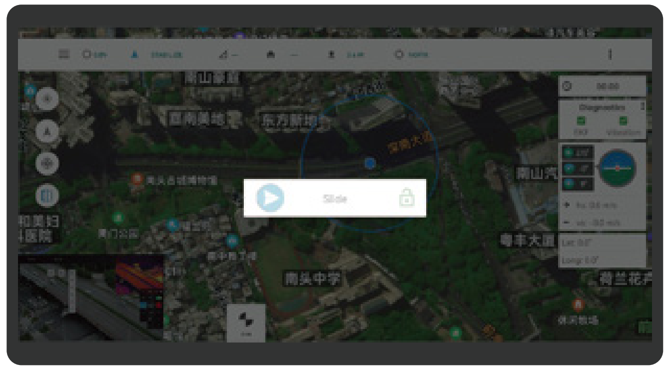
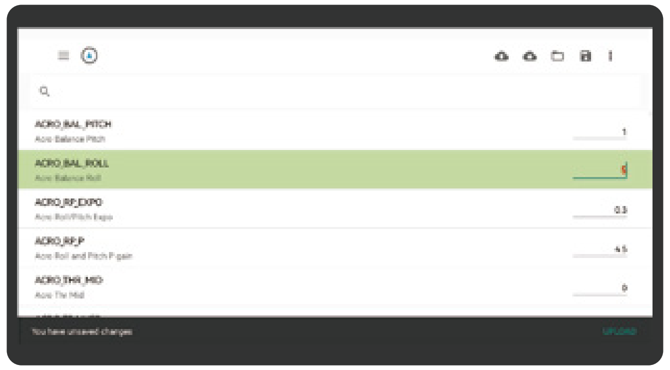
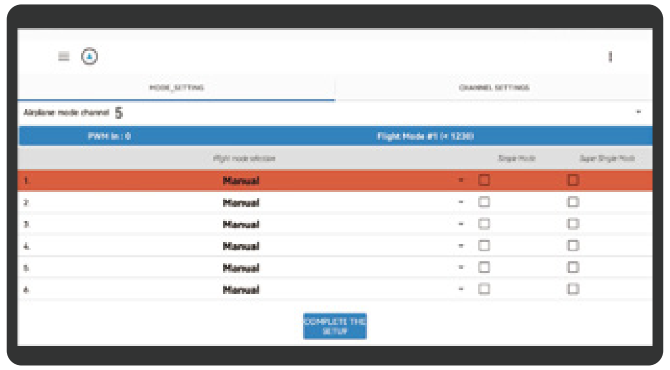
OSD settings



Remote control



VStation Overview

VStation is an Android terminal APP designed for drones. Through the careful design and Technical implementation, it brings the unprecedented smooth experience to the users, and the features as below,

1. Support the image preview and control of V- gimbal camera
2. Amap, Google map, Baidu map Optional
3. Add voice broadcast which can broadcast the status of aircraft in real time.
4. Compatible with a variety of image transmission access.
5. Task type, parameter list, etc.
6. Compatible with APM flight control and PX4 firmware (lower version may not support).
7. Support multi-rotor and fixed-wing.
8. Support flight data (altitude, speed, position, battery level display, signal strength, number of satellites).
9. Support calibration (accelerometer calibration, gyroscope calibration, magnetic compass calibration).
10. Support flight control settings (aircraft type, fail-safe, receiver type, GPS, voltage, current, voice broadcast).
11. Support parameter setting (basic parameter and advanced parameter setting).
12. With EKF status displayed, the health status of the flight controller can be clearly known. The version of flight controller version must be above AC3.3.
13. Latitude and longitude, UAV attitude information can be displayed.
14. Follow (GPS follow), pointing, surround, real-time change the location of the home to the appointed location and other functions.
15. Route planning, the aircraft can fly autonomously under the guidance of GPS.
16. Log record, the flight data of the aircraft can be collected and saved in the mobile phone as a file, the user can review the log of the aircraft after the flight.